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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/808,149	03/24/2004	Ming Gao Yao	12553/109	5283

7590 09/22/2008  
KENYON & KENYON  
Suite 600  
333 N. San Carlos Street  
San Jose, CA 95110-2711

EXAMINER
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CASTRO, ANGEL A

ART UNIT	PAPER NUMBER
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2627

MAIL DATE	DELIVERY MODE
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09/22/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/808,149	<b>Applicant(s)</b> YAO ET AL.	
	<b>Examiner</b> Angel A. Castro	<b>Art Unit</b> 2627	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 17 June 2008.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) 5-7, 12-14 and 18-20 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4, 8-11, 15-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

This Office Action is in response to Amendment filed 6/17/08.

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 3-4, 8, 10-11, 15, 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Yamaguchi et al.

Regarding claims 1 and 15, Yamaguchi et al discloses a suspension assembly (figures 1-5), comprising a suspension 3 to hold a slider above a data storage medium; and a slider fixture 56 formed on the suspension to couple with portions of at least two surfaces of the slider other than a surface facing the data storage medium and other than a surface having a set of connecting pads (see figures 1, 3 and 5); and an adhesive substance is applied to the portions between the slider and the slider fixture to couple the slider to the slider fixture (column 7, lines 28-30).

Regarding claim 8, Yamaguchi et al discloses a magnetic disk drive, comprising a data storage medium 101 to store data; a slider 1 which has a read/write head 2; a suspension 3 to hold the slider above the data storage medium; a slider fixture 56 formed on suspension to couple with portions of at least two surfaces of the slider other than a surface facing the data storage medium and other than a surface having a set of connecting pads, an adhesive substance is

Art Unit: 2627

applied to the portions between the slider and the slider fixture to couple the slider to the slider fixture; and a controller to control movement of the suspension and operation of the read/write head (see figures 1, 3, 5 and column 7, lines 28-30).

Regarding claims 3-4, 10-11 and 17, Yamaguchi et al discloses that the slider fixture has a first side forming plate 56 formed to cover a first side surface of the slider and a second side forming plate 56 formed to cover a second side surface of the slider or that the slider fixture has a first side forming plate 56 formed to partially cover a first side surface of the slider and a second side forming plate 56 formed to partially cover a second side surface of the slider (see figure 5 or 26).

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 2, 9 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamaguchi et al in view of Coon (United States Patent Application Publication No. 2001/0013993).

Regarding claims 2, 9 and 16, Yamaguchi et al discloses the suspension described above. Yamaguchi et al does not specifically disclose that the adhesive substance is applied as a partial dot on the portion between the slider and the slider fixture. Coon discloses a method of bonding a slider by applying a dot of adhesive (paragraph 0007). It would have been

Art Unit: 2627

obvious to one of ordinary skill in the art at the time the invention was made to provide the suspension of Yamaguchi et al with the adhesive dot as taught by Coon.

The rationale is as follows: one of ordinary skill in the art would have been motivated to provide the suspension of Yamaguchi et al with the adhesive dot as taught by Coon as doing this would avoid a bridge and failure between the fixture and the slider.

### ***Response to Arguments***

5. Applicant's arguments filed 6/17/08 have been fully considered but they are not persuasive.

Applicant asserts in page 8:

“Figure 5 describes another view of a slider embodiment wherein the finger portion 52 is connected to step member 55 and coupling member 56. None of these elements describe at least the relevant limitations discussed above at all. Specifically, the Office Action's current rejection has failed to cite at least 1) to a surface having a set of connecting pads and 2) to a slider fixture with portions of at least two surfaces of a slider other than a surface facing a data storage medium and a surface having the set of connecting pads (e.g., as described in claim 1). Indeed, cited Figure 5 does not include reference to any pads at all, and the Office Action does not cite to any purported connecting pads either. Applicants submit the Yamaguchi reference, including cited Figures 1, 3 and 5, fails to describe at least the relevant limitations. Coon fails to make up for the deficiencies of Yamaguchi. Specifically, Coon is directed to a flexure slider bonding system; it does not teach or suggest at least a slider fixture formed on the suspension to couple with portions of at least two surfaces of the slider other than a surface facing the data storage medium and other than a surface having a set of connecting pads anywhere.”

The Examiner respectfully points out that figures 2, 4 and 6, all show a magnetic head 2 and therefore it is inherent that they have connecting pads. It is noted that several references made of record show a set of connecting pads (6,700,749; 7,006,330, for instance). From the specification it is not clear what is connecting pads criticality since the Abstract of the disclosure

Art Unit: 2627

states that the invention is the slider fixture in order to reduce the amount of adhesive needed to couple the slider to a suspension.

### ***Conclusion***

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angel A. Castro whose telephone number is 571-272-7584. The examiner can normally be reached on Monday through Thursday, 8 AM to 6 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrea Wellington can be reached on 571-272-4483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2627

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Angel A Castro/  
Primary Examiner, Art Unit 2627

<div><b>Application Number</b></div> <div></div>	<b>Application/Control No.</b>	<b>Applicant(s)/Patent under Reexamination</b>	
	10/808,149	YAO ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Angel A. Castro	2627	